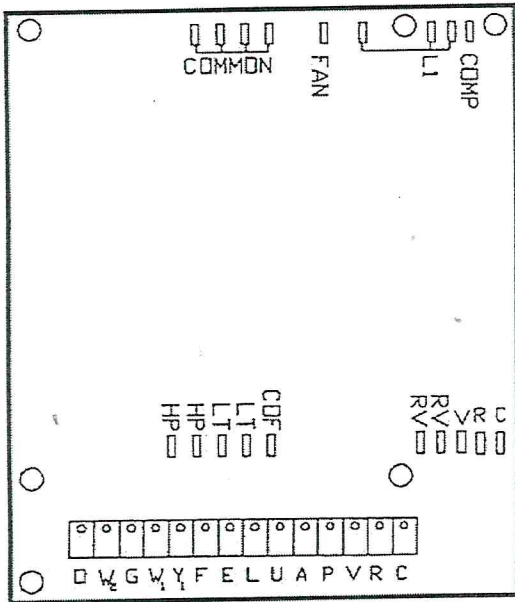


# Instructions for wiring Mark IV AC Controller (P/N: 56792401, Kit #056792401K)

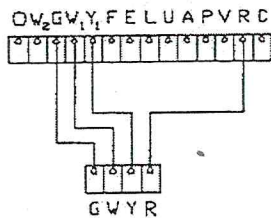
**NOTE:** When replacing a board on a 2-board unit, voltages to stat must match. The old board, #060638801 was DC only.



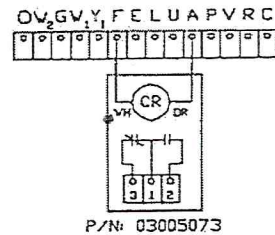
PIN	DESIG	DESCRIPTION	VOLTAGE
1	C	0 VAC	- VAC
2	R	24 VAC	+VAC
3	V	-DC Power Supply	- VDC
4	P	Pump Restart	0=On; 30V=Off
5	A	Fault Output	0=Fault; 30=Normal
6	U	Unoccupied	0=Off; 24 VAC=On
7	L	Loadshed	0=Off; 24 VAC=On
8	E	Emergency Shutdown	0=Off; 24 VAC=On
9	F	+DC Supply	+30 VDC
10	Y <sub>1</sub>	Cooling Input	0=Off; 24 VAC=Cool
11	W <sub>1</sub>	Heating Input	0=Off; 24 VAC=Heat
12	G	Fan Input	0=Off; 24 VAC=On
13	W <sub>2</sub>	Unoccupied Heat	0=Off; 24 VAC=Heat
14	O	Override Input	0=Off; 24 VAC=On

This Mark IV board, P/N: 56792401, is a direct replacement for the DC Mark IV board, P/N: 6063880X. When replacing a PC board, this board may be wired using either an AC or DC control voltage. An AC source utilizes "R" & "C" while a DC source utilizes "F" & "V".

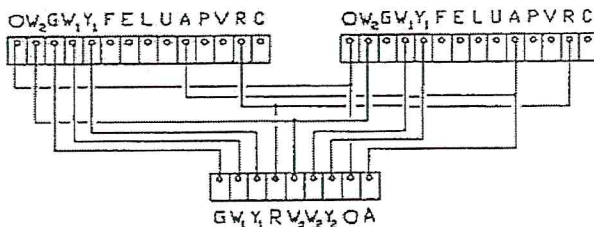
### MANUAL CHANGEOVER THERMOSTAT



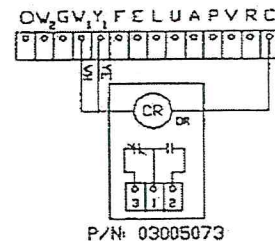
### AUXILIARY RELAY FAULT RELAY



### DELUXE AUTO CHANGEOVER THERMOSTAT AND SUBBASE



### AUXILIARY RELAY CYCLE ON HEATING OR COOLING



**NOTES:**

- <sup>1</sup> When the boilerless system kit is used the Mark IV board must be wired as a DC application (using "F" and "V").
- <sup>2</sup> When the master/slave board (P/N: 03005159) is used the Mark IV board must be wired as a DC application (using "F" and "V").
- <sup>3</sup> When changing out a defective PC board on a two circuit machine, both board part numbers must match. Old boards cannot be mixed with new boards.